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(54) Title: ACTIVE IMMUNIZATION TO GENERATE ANTIBODIES TO SOLUBLE A-BETA

(57) Abstract: The invention provides methods useful for effecting prophylaxis or treatment of Alzheimer's disease. Such methods entail administering A-beta fragments from a central or C-terminal regions of A-beta. Such fragments can induce a polyclonal mixture of antibodies that specifically bind to soluble A-beta without binding to plaques. The antibodies can inhibit formation of amyloid deposits of A-beta in the brain of a patient from soluble A β thus preventing or treating the disease. Fragment A-beta 15-24 and subfragments of 5-10 contiguous amino acids thereof are preferred immunogens due to their capacity to generate a high titer of antibodies.

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